

INTERNATIONAL SEARCH REPORT

International Application No

ru/IT2004/000555

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 G01N23/227 H01J49/08 H01J37/05

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 G01N H01J

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, PAJ, INSPEC

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	HAYASHI T ET AL: "ENERGY LOSS NEAR-EDGE STRUCTURE FOR MATERIALS CONTAINING LIGHT ELEMENTS BY REFLECTION ELECTRON ENERGY LOSS SPECTROSCOPY" APPLIED PHYSICS LETTERS, AMERICAN INSTITUTE OF PHYSICS. NEW YORK, US, vol. 66, no. 1, 2 January 1995 (1995-01-02), pages 25-27, XP000485955 ISSN: 0003-6951 figure 1	1,2
A	US 6 104 029 A (VON HARRACH H SEBASTIAN ET AL) 15 August 2000 (2000-08-15) figure 1 ----- -/-	1,2

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

* Special categories of cited documents:

- *A* document defining the general state of the art which is not considered to be of particular relevance
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- *O* document referring to an oral disclosure, use, exhibition or other means
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- * & * document member of the same patent family

Date of the actual completion of the international search

7 December 2004

Date of mailing of the international search report

13/01/2005

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	G. ERTL, J. KÜPPERS: "Low Energy Electrons and Surface Chemistry" 1985, VCH VERLAGSGESELLSCHAFT MBH , WEINHEIM, GERMANY, PAGES 6-25,185-201,285-291 , XP002309246 ISBN: 3-527-26056-0 page 14 page 286 - page 288; figures 11.1,11.2	1,2
Y	MOOK H W ET AL: "Electrostatic in-line monochromator for Schottky field emission gun" INSTITUTE OF PHYSICS CONFERENCE SERIES, IOP PUBLISHING, GB, no. 153, 1997, pages 81-84, XP002110008 ISSN: 0951-3248 abstract paragraph "1. Introduction"	1,2
A	US 2001/052744 A1 (TSUNO KATSUSHIGE) 20 December 2001 (2001-12-20) abstract paragraph '0004! - paragraph '0005! paragraph '0056! - paragraph '0057!	1,2
A	BROWNING R ET AL: "A DIGITAL SCANNING AUGER ELECTRON MICROSCOPE INCORPORATING A CONCENTRIC HEMISPHERICAL ANALYSER" PROCEEDINGS OF THE ROYAL SOCIETY OF LONDON. SERIES A, MATHEMATICAL AND PHYSICAL SCIENCES, ROYAL SOCIETY OF LONDON, LONDON, GB, vol. 357, no. 1689, 1977, pages 213-230, XP000989498 ISSN: 0080-4630 abstract paragraph "3. THE INSTRUMENT"	1,2
A	HENRARD L ET AL: "Electron-energy-loss spectroscopy of plasmon excitations in concentric-shell fullerenes" PHYSICAL REVIEW B (CONDENSED MATTER) APS THROUGH AIP USA, vol. 59, no. 8, 15 February 1999 (1999-02-15), pages 5832-5836, XP002309245 ISSN: 0163-1829 page 5833, left-hand column, paragraph 2; figure 2	1,2

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No
PCT/IT2004/000555

Patent document cited in search report		Publication date		Patent family member(s)	Publication date
US 6104029	A	15-08-2000	GB	2328792 A , B	03-03-1999
US 2001052744	A1	20-12-2001	JP	2001357809 A	26-12-2001